Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Rate in RS.
BRUHAT BANGALORE MAHANAGARA PALIKE									
NAME OF WORK: Improvements to roads and drains at Puttenahalli Janatha colony main and cross roads and surrounding areas in Ward No. 02									
Measurements Taken On :									
MEASUREMENT SHEET - 1st and FINAL BILL									
Chainage From	**Chainage To**	**Description of Item**	**Unit**	**No**	**Length (m)**	**Breadt (m)**	**Depth (m)**	**Quantity**	**Remarks**
Item No. 01		**Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. and as per the directions of the Engineer-in-charge of the work .**							
		New Drain							
		3rd main(RHS) Right side to 2nd							
0	14.4		Cum	1	14.40	1.10	0.90	14.26	
14.4	18.7		Cum	1	4.30	1.10	0.90	4.26	
18.7	33.7		Cum	1	15.00	1.10	0.90	14.85	
33.7	48.7		Cum	1	15.00	1.10	0.90	14.85	
48.7	63.7		Cum	1	15.00	1.10	0.90	14.85	
63.7	78.7		Cum	1	15.00	1.10	0.90	14.85	
78.7	82.9		Cum	1	4.20	1.10	0.90	4.16	
82.9	86.4		Cum	1	3.50	1.10	0.90	3.47	
86.4	92.3		Cum	1	5.90	1.10	0.90	5.84	
		3rd main (LHS)							
0	15		Cum	1	15.00	1.10	0.90	14.85	
15	30		Cum	1	15.00	1.10	0.90	14.85	
30	45		Cum	1	15.00	1.10	0.90	14.85	
45	60		Cum	1	15.00	1.10	0.90	14.85	
60	75		Cum	1	15.00	1.10	0.90	14.85	
75	81.8		Cum	1	6.80	1.10	0.90	6.73	
		3rd main (LHS) Left side to 2nd cross							
0	7.3		Cum	1	7.30	1.10	0.90	7.23	
7.3	10.3		Cum	1	3.00	1.10	0.90	2.97	
10.3	17.3		Cum	1	7.00	1.10	0.90	6.93	
17.3	20.3		Cum	1	3.00	1.10	0.90	2.97	
20.3	35		Cum	1	14.70	1.10	0.90	14.55	
35	50		Cum	1	15.00	1.10	0.90	14.85	
50	65		Cum	1	15.00	1.10	0.90	14.85	
65	78.9		Cum	1	13.90	1.10	0.90	13.76	
81	85.2			1	4.20	1.10	0.90	4.16	
		3rd main RHS							
0	15		Cum	1	15.00	1.10	0.90	14.85	

Contactor

CIVIL Pro Sig Date PMC BANGALORE

Assistant Engineer

Asst. Executive Engineer

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
15	30		Cum	1	15.00	1.10	0.90	14.85	
30	45		Cum	1	15.00	1.10	0.90	14.85	
45	56.7		Cum	1	11.70	1.10	0.90	11.58	
60	67.8	56.7 to 60 no Drain	Cum	1	7.80	1.10	0.90	7.72	
67.8	82.5		Cum	1	14.70	1.10	0.90	14.55	
		4th main rhs							
0	15		Cum	1	15.00	1.10	0.90	14.85	
21	23.8		Cum	1	2.80	1.10	0.90	2.77	
23.8	32.5		Cum	1	8.70	1.10	0.90	8.61	
32.5	35.8		Cum	1	3.30	1.10	0.90	3.27	
35.8	50		Cum	1	14.20	1.10	0.90	14.06	
50	57.5		Cum	1	7.50	1.10	0.90	7.43	
57.5	71.6		Cum	1	14.10	1.10	0.90	13.96	
71.6	85		Cum	1	13.40	1.10	0.90	13.27	
85	94.6		Cum	1	9.60	1.10	0.90	9.50	
		4th main lhs							
0	6.3		Cum	1	6.30	1.15	0.90	6.52	
6.3	9.2		Cum	1	2.90	1.15	0.90	3.00	
9.2	15		Cum	1	5.80	1.15	0.90	6.00	
15	24.5		Cum	1	9.50	1.15	0.90	9.83	
24.5	27.5		Cum	1	3.00	1.15	0.90	3.11	
27.5	40		Cum	1	12.50	1.15	0.90	12.94	
40	49.9		Cum	1	9.90	1.15	0.90	10.25	
49.9	56.3		Cum	1	6.40	1.15	0.90	6.62	
56.3	64.8	64.8-74.2 no drain	Cum	1	8.50	1.15	0.90	8.80	
74.2	84		Cum	1	9.80	1.15	0.90	10.14	
		5th main lhs							
0	8		Cum	1	8.00	1.15	0.90	8.28	
17.2	35	8-17.2 no drain	Cum	1	17.80	1.15	0.90	18.42	
35	50		Cum	1	15.00	1.15	0.90	15.53	
50	65		Cum	1	15.00	1.15	0.90	15.53	
65	81.4		Cum	1	16.40	1.15	0.90	16.97	
		5th main rhs							
0	18		Cum	1	18.00	1.15	0.90	18.63	
18	27.7		Cum	1	9.70	1.15	0.90	10.04	
27.7	37		Cum	1	9.30	1.15	0.90	9.63	
37	46.2		Cum	1	9.20	1.15	0.90	9.52	
46.2	55.2		Cum	1	9.00	1.15	0.90	9.32	
55.2	91.2		Cum	1	36.00	1.15	0.90	37.26	
		2nd cross rhs							
0	15		Cum	1	15.00	1.15	0.90	15.53	
15	26		Cum	1	11.00	1.15	0.90	11.39	
33.7	50	26 to 33.7 no Drain	Cum	1	16.30	1.15	0.90	16.87	
50	58.7		Cum	1	8.70	1.15	0.90	9.00	
65.9	80	58.7 to 65.9 no Drain	Cum	1	14.10	1.15	0.90	14.59	
80	92.6		Cum	1	12.60	1.15	0.90	13.04	

Contactor

CIVIL Div. Date PMC BANGALORE

Assistant Engineer

Asst. Executive Engineer
Yelahanka South Division

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
92.6	101.5		Cum	1	8.90	1.15	0.90	9.21	
101.5	115		Cum	1	13.50	1.15	0.90	13.97	
115	129.8		Cum	1	14.80	1.15	0.90	15.32	
		2nd cross lhs							
8	15	0-8 no drain	Cum	1	7.00	1.15	0.90	7.25	
15	26		Cum	1	11.00	1.15	0.90	11.39	
40.3	50	26-40.3 no drain	Cum	1	9.70	1.15	0.90	10.04	
50	59		Cum	1	9.00	1.15	0.90	9.32	
68	80	59-68 no dsrain	Cum	1	12.00	1.15	0.90	12.42	
80	93		Cum	1	13.00	1.15	0.90	13.46	
93	105		Cum	1	12.00	1.15	0.90	12.42	
105	115		Cum	1	10.00	1.15	0.90	10.35	
115	130		Cum	1	15.00	1.15	0.90	15.53	
		2nd Main Road							
		LHS							
0	15		Cum	1	15.00	1.20	0.90	16.20	
15	30		Cum	1	15.00	1.20	0.90	16.20	
30	45		Cum	1	15.00	1.20	0.90	16.20	
45	56		Cum	1	11.00	1.20	0.90	11.88	
56	65		Cum	1	9.00	1.20	0.90	9.72	
65	75.6		Cum	1	10.60	1.20	0.90	11.45	
75.6	78.7		Cum	1	3.10	1.20	0.90	3.35	
78.7	98		Cum	1	19.30	1.20	0.90	20.84	
		RHS							
0	15		Cum	1	15.00	1.20	0.90	16.20	
15	33		Cum	1	18.00	1.20	0.90	19.44	
33	39.6		Cum	1	6.60	1.20	0.90	7.13	
39.6	44.1		Cum	1	4.50	1.20	0.90	4.86	
		Pittenhalli Cross							
0	15		Cum	1	15.00	1.00	0.90	13.50	
15	30		Cum	1	15.00	1.00	0.90	13.50	
30	45		Cum	1	15.00	1.00	0.90	13.50	
45	60		Cum	1	15.00	1.00	0.90	13.50	
60	75		Cum	1	15.00	1.00	0.90	13.50	
		Over Burden	Cum	2	141.00	1.00	0.90	253.80	
		Culvert							
		3rd Main	Cum	1	8.30	1.50	0.90	11.21	
		3rd main	Cum	1	8.20	1.50	0.90	11.07	
		4th Main	Cum	1	7.50	1.50	0.90	10.13	
							TOTAL	1395.32	

Contactor

CIVIL Pro Sig Date PMC BANGALORE

Assistant Engineer

Asst. Executive Engineer Yela... Division ... Bangalore

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
Item no.02		Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. and as per the directions of the Engineer-in-charge of the work .							
		New Drain							
		3rd main(RHS) Right side to 2nd							
0	14.4		Cum	1	14.40	1.10	0.15	2.38	
14.4	18.7		Cum	1	4.30	1.10	0.15	0.71	
18.7	33.7		Cum	1	15.00	1.10	0.15	2.48	
33.7	48.7		Cum	1	15.00	1.10	0.15	2.48	
48.7	63.7		Cum	1	15.00	1.10	0.15	2.48	
63.7	78.7		Cum	1	15.00	1.10	0.15	2.48	
78.7	82.9		Cum	1	4.20	1.10	0.15	0.69	
82.9	86.4		Cum	1	3.50	1.10	0.15	0.58	
86.4	92.3		Cum	1	5.90	1.10	0.15	0.97	
		3rd main (LHS)							
0	15		Cum	1	15.00	1.10	0.15	2.48	
15	30		Cum	1	15.00	1.10	0.15	2.48	
30	45		Cum	1	15.00	1.10	0.15	2.48	
45	60		Cum	1	15.00	1.10	0.15	2.48	
60	75		Cum	1	15.00	1.10	0.15	2.48	
75	81.8		Cum	1	6.80	1.10	0.15	1.12	
		3rd main (LHS) Left side to 2nd cross							
0	7.3		Cum	1	7.30	1.10	0.15	1.20	
7.3	10.3		Cum	1	3.00	1.10	0.15	0.50	
10.3	17.3		Cum	1	7.00	1.10	0.15	1.16	
17.3	20.3		Cum	1	3.00	1.10	0.15	0.50	
20.3	35		Cum	1	14.70	1.10	0.15	2.43	
35	50		Cum	1	15.00	1.10	0.15	2.48	
50	65		Cum	1	15.00	1.10	0.15	2.48	
65	78.9		Cum	1	13.90	1.10	0.15	2.29	
81	85.2		Cum	1	4.20	1.10	0.15	0.69	
		3rd main RHS							
0	15		Cum	1	15.00	1.10	0.15	2.48	
15	30		Cum	1	15.00	1.10	0.15	2.48	
30	45		Cum	1	15.00	1.10	0.15	2.48	
45	56.7		Cum	1	11.70	1.10	0.15	1.93	
60	67.8	56.7 to 60 no Drain	Cum	1	7.80	1.10	0.15	1.29	
67.8	82.5		Cum	1	14.70	1.10	0.15	2.43	

Contactor

CIVIL Pro BANGALORE Sig Date PMC

Assistant Engineer

Asst. Executive Engineer Kelabanka Sub. Divison (BBMP Zone) Bangalore

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
		4th main rhs							
0	15		Cum	1	15.00	1.10	0.15	2.48	
21	23.8		Cum	1	2.80	1.10	0.15	0.46	
23.8	32.5		Cum	1	8.70	1.10	0.15	1.44	
32.5	35.8		Cum	1	3.30	1.10	0.15	0.54	
35.8	50		Cum	1	14.20	1.10	0.15	2.34	
50	57.5		Cum	1	7.50	1.10	0.15	1.24	
57.5	71.6		Cum	1	14.10	1.10	0.15	2.33	
71.6	85		Cum	1	13.40	1.10	0.15	2.21	
85	94.6		Cum	1	9.60	1.10	0.15	1.58	
		4th main lhs							
0	6.3		Cum	1	6.30	1.15	0.15	1.09	
6.3	9.2		Cum	1	2.90	1.15	0.15	0.50	
9.2	15		Cum	1	5.80	1.15	0.15	1.00	
15	24.5		Cum	1	9.50	1.15	0.15	1.64	
24.5	27.5		Cum	1	3.00	1.15	0.15	0.52	
27.5	40		Cum	1	12.50	1.15	0.15	2.16	
40	49.9		Cum	1	9.90	1.15	0.15	1.71	
49.9	56.3		Cum	1	6.40	1.15	0.15	1.10	
56.3	64.8	64.8-74.2 no drain	Cum	1	8.50	1.15	0.15	1.47	
74.2	84		Cum	1	9.80	1.15	0.15	1.69	
		5th main lhs							
0	8		Cum	1	8.00	1.15	0.15	1.38	
17.2	35	8-17.2 no drain	Cum	1	17.80	1.15	0.15	3.07	
35	50		Cum	1	15.00	1.15	0.15	2.59	
50	65		Cum	1	15.00	1.15	0.15	2.59	
65	81.4		Cum	1	16.40	1.15	0.15	2.83	
		5th main rhs							
0	18		Cum	1	18.00	1.15	0.15	3.11	
18	27.7		Cum	1	9.70	1.15	0.15	1.67	
27.7	37		Cum	1	9.30	1.15	0.15	1.60	
37	46.2		Cum	1	9.20	1.15	0.15	1.59	
46.2	55.2		Cum	1	9.00	1.15	0.15	1.55	
55.2	91.2		Cum	1	36.00	1.15	0.15	6.21	
		2nd cross rhs							
0	15		Cum	1	15.00	1.15	0.15	2.59	
15	26		Cum	1	11.00	1.15	0.15	1.90	
33.7	50	26 to 33.7 no Drain	Cum	1	16.30	1.15	0.15	2.81	
50	58.7		Cum	1	8.70	1.15	0.15	1.50	
65.9	80	58.7 to 65.9 no Drain	Cum	1	14.10	1.15	0.15	2.43	
80	92.6		Cum	1	12.60	1.15	0.15	2.17	
92.6	101.5		Cum	1	8.90	1.15	0.15	1.54	
101.5	115		Cum	1	13.50	1.15	0.15	2.33	
115	129.8		Cum	1	14.80	1.15	0.15	2.55	
		2nd cross lhs							
8	15	0-8 no drain	Cum	1	7.00	1.15	0.15	1.21	

Contactor

CIVIL DEPT. Sig. Date PMC BANGALORE

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub. Divison
Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
15	26		Cum	1	11.00	1.15	0.15	1.90	
40.3	50	26-40.3 no drain	Cum	1	9.70	1.15	0.15	1.67	
50	59		Cum	1	9.00	1.15	0.15	1.55	
68	80	59-68 no dsrain	Cum	1	12.00	1.15	0.15	2.07	
80	93		Cum	1	13.00	1.15	0.15	2.24	
93	105		Cum	1	12.00	1.15	0.15	2.07	
105	115		Cum	1	10.00	1.15	0.15	1.73	
115	130		Cum	1	15.00	1.15	0.15	2.59	
		2nd Main Road							
		LHS							
0	15		Cum	1	15.00	1.20	0.15	2.70	
15	30		Cum	1	15.00	1.20	0.15	2.70	
30	45		Cum	1	15.00	1.20	0.15	2.70	
45	56		Cum	1	11.00	1.20	0.15	1.98	
56	65		Cum	1	9.00	1.20	0.15	1.62	
65	75.6		Cum	1	10.60	1.20	0.15	1.91	
75.6	78.7		Cum	1	3.10	1.20	0.15	0.56	
78.7	98		Cum	1	19.30	1.20	0.15	3.47	
		RHS							
0	15		Cum	1	15.00	1.20	0.15	2.70	
15	33		Cum	1	18.00	1.20	0.15	3.24	
33	39.6		Cum	1	6.60	1.20	0.15	1.19	
39.6	44.1		Cum	1	4.50	1.20	0.15	0.81	
		Pittenhalli Cross							
0	15		Cum	1	15.00	1.00	0.15	2.25	
15	30		Cum	1	15.00	1.00	0.15	2.25	
30	45		Cum	1	15.00	1.00	0.15	2.25	
45	60		Cum	1	15.00	1.00	0.15	2.25	
60	75		Cum	1	15.00	1.00	0.15	2.25	
		Culvert							
		3rd Main	Cum	1	8.30	1.50	0.15	1.87	
		3rd main	Cum	1	8.20	1.50	0.15	1.85	
		4th Main	Cum	1	7.50	1.50	0.15	1.69	
							TOTAL	190.37	

190.31

Contactor

CIVIL Pro Sig Date PMC BANGALORE

Assistant Engineer

Asst. Executive Engineer
Sub. Divison
Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
Item no.03		Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification and as per the directions of the Engineer-in-charge of the work .							
		Bottom Raft							
		3rd main(RHS) Right side to 2nd cross							
0	14.4		Cum	1	14.40	1.10	0.15	2.38	
14.4	18.7		Cum	1	4.30	1.10	0.15	0.71	
18.7	33.7		Cum	1	15.00	1.10	0.15	2.48	
33.7	48.7		Cum	1	15.00	1.10	0.15	2.48	
48.7	63.7		Cum	1	15.00	1.10	0.15	2.48	
63.7	78.7		Cum	1	15.00	1.10	0.15	2.48	
78.7	82.9		Cum	1	4.20	1.10	0.15	0.69	
82.9	86.4		Cum	1	3.50	1.10	0.15	0.58	
86.4	92.3		Cum	1	5.90	1.10	0.15	0.97	
		3rd main (LHS)							
0	15		Cum	1	15.00	1.10	0.15	2.48	
15	30		Cum	1	15.00	1.10	0.15	2.48	
30	45		Cum	1	15.00	1.10	0.15	2.48	
45	60		Cum	1	15.00	1.10	0.15	2.48	
60	75		Cum	1	15.00	1.10	0.15	2.48	
75	81.8		Cum	1	6.80	1.10	0.15	1.12	
		3rd main (LHS) Left side to 2nd cross							
0	7.3		Cum	1	7.30	1.10	0.15	1.20	
7.3	10.3		Cum	1	3.00	1.10	0.15	0.50	
10.3	17.3		Cum	1	7.00	1.10	0.15	1.16	
17.3	20.3		Cum	1	3.00	1.10	0.15	0.50	
20.3	35		Cum	1	14.70	1.10	0.15	2.43	
35	50		Cum	1	15.00	1.10	0.15	2.48	
50	65		Cum	1	15.00	1.10	0.15	2.48	
65	78.9		Cum	1	13.90	1.10	0.15	2.29	
81	85.2		Cum	1	4.20	1.10	0.15	0.69	
		3rd main RHS							
0	15		Cum	1	15.00	1.10	0.15	2.48	
15	30		Cum	1	15.00	1.10	0.15	2.48	
30	45		Cum	1	15.00	1.10	0.15	2.48	
45	56.7		Cum	1	11.70	1.10	0.15	1.93	
60	67.8	56.7 to 60 no Drain	Cum	1	7.80	1.10	0.15	1.29	
67.8	82.5		Cum	1	14.70	1.10	0.15	2.43	

CIVIL Pro Sig Date PMC BANGALORE

Contactor

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub. Divison
Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
		4th main rhs							
0	15		Cum	1	15.00	1.10	0.15	2.48	
21	23.8		Cum	1	2.80	1.10	0.15	0.46	
23.8	32.5		Cum	1	8.70	1.10	0.15	1.44	
32.5	35.8		Cum	1	3.30	1.10	0.15	0.54	
35.8	50		Cum	1	14.20	1.10	0.15	2.34	
50	57.5		Cum	1	7.50	1.10	0.15	1.24	
57.5	71.6		Cum	1	14.10	1.10	0.15	2.33	
71.6	85		Cum	1	13.40	1.10	0.15	2.21	
85	94.6		Cum	1	9.60	1.10	0.15	1.58	
		4th main lhs							
0	6.3		Cum	1	6.30	1.10	0.15	1.04	
6.3	9.2		Cum	1	2.90	1.10	0.15	0.48	
9.2	15		Cum	1	5.80	1.10	0.15	0.96	
15	24.5		Cum	1	9.50	1.10	0.15	1.57	
24.5	27.5		Cum	1	3.00	1.10	0.15	0.50	
27.5	40		Cum	1	12.50	1.10	0.15	2.06	
40	49.9		Cum	1	9.90	1.10	0.15	1.63	
49.9	56.3		Cum	1	6.40	1.10	0.15	1.06	
56.3	64.8	64.8-74.2 no drain	Cum	1	8.50	1.10	0.15	1.40	
74.2	84		Cum	1	9.80	1.10	0.15	1.62	
		5th main lhs							
0	8		Cum	1	8.00	1.10	0.15	1.32	
17.2	35	8-17.2 no drain	Cum	1	17.80	1.10	0.15	2.94	
35	50		Cum	1	15.00	1.10	0.15	2.48	
50	65		Cum	1	15.00	1.10	0.15	2.48	
65	81.4		Cum	1	16.40	1.10	0.15	2.71	
		5th main rhs							
0	18		Cum	1	18.00	1.10	0.15	2.97	
18	27.7		Cum	1	9.70	1.10	0.15	1.60	
27.7	37		Cum	1	9.30	1.10	0.15	1.53	
37	46.2		Cum	1	9.20	1.10	0.15	1.52	
46.2	55.2		Cum	1	9.00	1.10	0.15	1.49	
55.2	91.2		Cum	1	36.00	1.10	0.15	5.94	
		2nd cross rhs							
0	15		Cum	1	15.00	1.10	0.15	2.48	
15	26		Cum	1	11.00	1.10	0.15	1.82	
33.7	50	26 to 33.7 no Drain	Cum	1	16.30	1.10	0.15	2.69	
50	58.7		Cum	1	8.70	1.10	0.15	1.44	
65.9	80	58.7 to 65.9 no Drain	Cum	1	14.10	1.10	0.15	2.33	
80	92.6		Cum	1	12.60	1.10	0.15	2.08	
92.6	101.5		Cum	1	8.90	1.10	0.15	1.47	
101.5	115		Cum	1	13.50	1.10	0.15	2.23	
115	129.8		Cum	1	14.80	1.10	0.15	2.44	

CIVIL Pro Sig Date PMC BANGALORE

Contactor

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub Division.
(BBMP, Ynk., Zo.)
Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
		2nd cross lhs							
8	15	0-8 no drain	Cum	1	7.00	1.10	0.15	1.16	
15	26		Cum	1	11.00	1.10	0.15	1.82	
40.3	50	26-40.3 no drain	Cum	1	9.70	1.10	0.15	1.60	
50	59		Cum	1	9.00	1.10	0.15	1.49	
68	80	59-68 no dsrain	Cum	1	12.00	1.10	0.15	1.98	
80	93		Cum	1	13.00	1.10	0.15	2.15	
93	105		Cum	1	12.00	1.10	0.15	1.98	
105	115		Cum	1	10.00	1.10	0.15	1.65	
115	130		Cum	1	15.00	1.10	0.15	2.48	
		2nd Main Road							
		LHS							
0	15		Cum	1	15.00	1.10	0.15	2.48	
15	30		Cum	1	15.00	1.10	0.15	2.48	
30	45		Cum	1	15.00	1.10	0.15	2.48	
45	56		Cum	1	11.00	1.10	0.15	1.82	
56	65		Cum	1	9.00	1.10	0.15	1.49	
65	75.6		Cum	1	10.60	1.10	0.15	1.75	
75.6	78.7		Cum	1	3.10	1.10	0.15	0.51	
78.7	98		Cum	1	19.30	1.10	0.15	3.18	
		RHS							
0	15		Cum	1	15.00	1.10	0.15	2.48	
15	33		Cum	1	18.00	1.10	0.15	2.97	
33	39.6		Cum	1	6.60	1.10	0.15	1.09	
39.6	44.1		Cum	1	4.50	1.10	0.15	0.74	
		Pittenhalli Cross							
0	15		Cum	1	15.00	1.00	0.15	2.25	
15	30		Cum	1	15.00	1.00	0.15	2.25	
30	45		Cum	1	15.00	1.00	0.15	2.25	
45	60		Cum	1	15.00	1.00	0.15	2.25	
60	75		Cum	1	15.00	1.00	0.15	2.25	
		Culvert							
		3rd Main	Cum	1	8.30	1.30	0.20	2.16	
		3rd main	Cum	1	8.20	1.30	0.20	2.13	
		4th Main	Cum	1	7.50	1.30	0.20	1.95	
		Side Wall							
		3rd main(RHS) Right side to 2nd							
0	14.4		Cum	2	14.40	0.15	0.60	2.59	
14.4	18.7		Cum	2	4.30	0.15	0.60	0.77	
18.7	33.7		Cum	2	15.00	0.15	0.60	2.70	
33.7	48.7		Cum	2	15.00	0.15	0.60	2.70	
48.7	63.7		Cum	2	15.00	0.15	0.60	2.70	
63.7	78.7		Cum	2	15.00	0.15	0.60	2.70	
78.7	82.9		Cum	2	4.20	0.15	0.60	0.76	
82.9	86.4		Cum	2	3.50	0.15	0.32	0.34	

Contactor

CIVIL WO Sig Date RMC BANGALORE

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Ynk. Zn)
Bangalore

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
86.4	92.3		Cum	2	5.90	0.15	0.46	0.81	
		3rd main (LHS)							
0	15		Cum	2	15.00	0.15	0.65	2.93	
15	30		Cum	2	15.00	0.15	0.65	2.93	
30	45		Cum	2	15.00	0.15	0.60	2.70	
45	60		Cum	2	15.00	0.15	0.60	2.70	
60	75		Cum	2	15.00	0.15	0.60	2.70	
75	81.8		Cum	2	6.80	0.15	0.60	1.22	
		3rd main (LHS) Left side to 2nd cross							
0	7.3		Cum	2	7.30	0.15	0.60	1.31	
7.3	10.3		Cum	2	3.00	0.15	0.60	0.54	
10.3	17.3		Cum	2	7.00	0.15	0.60	1.26	
17.3	20.3		Cum	2	3.00	0.15	0.60	0.54	
20.3	35		Cum	2	14.70	0.15	0.60	2.65	
35	50		Cum	2	15.00	0.15	0.60	2.70	
50	65		Cum	2	15.00	0.15	0.60	2.70	
65	78.9		Cum	2	13.90	0.15	0.60	2.50	
81	85.2		Cum	2	4.20	0.15	0.60	0.76	
		3rd main RHS							
0	15		Cum	2	15.00	0.15	0.60	2.70	
15	30		Cum	2	15.00	0.15	0.60	2.70	
30	45		Cum	2	15.00	0.15	0.60	2.70	
45	56.7		Cum	2	11.70	0.15	0.60	2.11	
60	67.8	56.7 to 60 no Drain	Cum	2	7.80	0.15	0.45	1.05	
67.8	82.5		Cum	2	14.70	0.15	0.61	2.69	
		4th main rhs							
0	15		Cum	2	15.00	0.15	0.60	2.70	
21	23.8		Cum	2	2.80	0.15	0.60	0.50	
23.8	32.5		Cum	2	8.70	0.15	0.60	1.57	
32.5	35.8		Cum	2	3.30	0.15	0.60	0.59	
35.8	50		Cum	2	14.20	0.15	0.60	2.56	
50	57.5		Cum	2	7.50	0.15	0.60	1.35	
57.5	71.6		Cum	2	14.10	0.15	0.60	2.54	
71.6	85		Cum	2	13.40	0.15	0.60	2.41	
85	94.6		Cum	2	9.60	0.15	0.60	1.73	
		4th main lhs							
0	6.3		Cum	2	6.30	0.15	0.38	0.72	
6.3	9.2		Cum	2	2.90	0.15	0.51	0.44	
9.2	15		Cum	2	5.80	0.15	0.54	0.94	
15	24.5		Cum	2	9.50	0.15	0.20	0.57	
24.5	27.5		Cum	2	3.00	0.15	0.46	0.41	
27.5	40		Cum	2	12.50	0.15	0.52	1.95	
40	49.9		Cum	2	9.90	0.15	0.50	1.49	
49.9	56.3		Cum	2	6.40	0.15	0.51	0.98	
56.3	64.8	64.8-74.2 no drain	Cum	2	8.50	0.15	0.44	1.12	

Contactor PMC Assistant Engineer Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
74.2	84		Cum	2	9.80	0.15	0.60	1.76	
		5th main lhs							
0	8		Cum	2	8.00	0.15	0.60	1.44	
17.2	35	8-17.2 no drain	Cum	2	17.80	0.15	0.43	2.30	
35	50		Cum	2	15.00	0.15	0.48	2.16	
50	65		Cum	2	15.00	0.15	0.53	2.39	
65	81.4		Cum	2	16.40	0.15	0.50	2.46	
		5th main rhs							
0	18		Cum	2	18.00	0.15	0.60	3.24	
18	27.7		Cum	2	9.70	0.15	0.60	1.75	
27.7	37		Cum	2	9.30	0.15	0.60	1.67	
37	46.2		Cum	2	9.20	0.15	0.60	1.66	
46.2	55.2		Cum	2	9.00	0.15	0.60	1.62	
55.2	91.2		Cum	2	36.00	0.15	0.60	6.48	
		2nd cross rhs							
0	15		Cum	2	15.00	0.15	0.87	3.92	
15	26		Cum	2	11.00	0.15	0.60	1.98	
33.7	50	26 to 33.7 no Drain	Cum	2	16.30	0.15	0.64	3.13	
50	58.7		Cum	2	8.70	0.15	0.65	1.70	
65.9	80	58.7 to 65.9 no Drain	Cum	2	14.10	0.15	0.59	2.50	
80	92.6		Cum	2	12.60	0.15	0.59	2.23	
92.6	101.5		Cum	2	8.90	0.15	0.58	1.55	
101.5	115		Cum	2	13.50	0.15	0.64	2.59	
115	129.8		Cum	2	14.80	0.15	0.66	2.93	
		2nd cross lhs							
8	15	0-8 no drain	Cum	2	7.00	0.15	0.61	1.28	
15	26		Cum	2	11.00	0.15	0.66	2.18	
40.3	50	26-40.3 no drain	Cum	2	9.70	0.15	0.62	1.80	
50	59		Cum	2	9.00	0.15	0.62	1.67	
68	80	59-68 no dsrain	Cum	2	12.00	0.15	0.60	2.16	
80	93		Cum	2	13.00	0.15	0.54	2.11	
93	105		Cum	2	12.00	0.15	0.55	1.98	
105	115		Cum	2	10.00	0.15	0.59	1.77	
115	130		Cum	2	15.00	0.15	0.63	2.84	
		2nd Main Road							
		LHS							
0	15		Cum	2	15.00	0.15	0.60	2.70	
15	30		Cum	2	15.00	0.15	0.60	2.70	
30	45		Cum	2	15.00	0.15	0.60	2.70	
45	56		Cum	2	11.00	0.15	0.60	1.98	
56	65		Cum	2	9.00	0.15	0.60	1.62	
65	75.6		Cum	2	10.60	0.15	0.60	1.91	
75.6	78.7		Cum	2	3.10	0.15	0.60	0.56	
78.7	98		Cum	2	19.30	0.15	0.60	3.47	
		RHS							
0	15		Cum	2	15.00	0.15	0.60	2.70	

CIVIL PWD BANGALORE Sign Date

Contactor BBMP Assistant Engineer Asst. Executive Engineer Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
15	33		Cum	2	18.00	0.15	0.60	3.24	
33	39.6		Cum	2	6.60	0.15	0.60	1.19	
39.6	44.1		Cum	2	4.50	0.15	0.60	0.81	
		Pittenhalli Cross							
0	15		Cum	2	15.00	0.15	0.50	2.25	
15	30		Cum	2	15.00	0.15	0.50	2.25	
30	45		Cum	2	15.00	0.15	0.50	2.25	
45	60		Cum	2	15.00	0.15	0.50	2.25	
60	75		Cum	2	15.00	0.15	0.50	2.25	
		Culvert							
		3rd Main	Cum	2	8.30	0.20	0.60	1.99	
		3rd main	Cum	2	8.20	0.20	0.60	1.97	
		4th Main	Cum	2	7.50	0.20	0.60	1.80	
							TOTAL	382.11	

CIVIL Pro Sig. Date BANGALORE

Contactor

PMC

Assistant Engineer

Asst. Executive Engineer ... Divison

Assistant Executive Engineer

Sl NO	Description	Nos	BAR DIA	No. Bars	Total No. bars	Length	Total Length	Weight	Total weight
			mm			m	m	kg/m	Kg's
Item no.04		**Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.**							
	Vinayaka Layout								
	3rd main(RHS) Right side to 2nd cross								
	LHS								
	Main Bars (#12@120 c/c)	1	12	763	763	2.66	2029.58	0.887814	1801.89
	Distribution(12-#8)	1	8	12	12	92.30	1107.60	0.394584	437.04
	3rd main (LHS								
	Main Bars (#12@120 c/c)	1	12	678	678	2.66	1803.48	0.887814	1601.15
	Distribution(12-#8)	1	8	12	12	81.80	981.60	0.394584	387.32
	3rd main(RHS) Right side to 2nd cross								
	LHS								
	Main Bars (#12@120 c/c)	1	12	694	694	2.60	1803.10	0.887814	1600.82
	Distribution(12-#8)	1	8	12	12	83.10	997.20	0.394584	393.48
	3rd main (LHS								
	Main Bars (#12@120 c/c)	1	12	661	661	2.56	1692.16	0.887814	1502.32
	Distribution(12-#8)	1	8	12	12	79.20	950.40	0.394584	375.01
	4th main rhs								
	RHS								
	Main Bars (#12@120 c/c)	1	12	739	739	2.60	1922.27	0.887814	1706.62
	Distribution(12-#8)	1	8	12	12	88.60	1063.20	0.394584	419.52
	LHS								
	Main Bars (#12@120 c/c)	1	12	623	623	2.40	1494.40	0.887814	1326.75
	Distribution(12-#8)	1	8	12	12	74.60	895.20	0.394584	353.23
	5th main lhs								
	Main Bars (#12@120 c/c)	1	12	603	603	2.42	1458.45	0.887814	1294.84
	Distribution(12-#8)	1	8	12	12	72.20	866.40	0.394584	341.87
	5th main RHS								
	Main Bars (#12@120 c/c)	1	12	761	761	2.54	1932.94	0.887814	1716.09
	Distribution(12-#8)	1	8	12	12	91.20	1094.40	0.394584	431.83
	2nd cross rhs								
	Main Bars (#12@120 c/c)	1	12	959	959	2.70	2587.95	0.887814	2297.62
	Distribution(12-#8)	1	8	12	12	114.90	1378.80	0.394584	544.05
	2nd cross LHS								

CIVIL Pro Sig Date PMC BANGALORE

Contractor

Assistant Engineer

Asst. Executive Engineer

Assistant Executive Engineer

CLIENT BBMP

Main Bars (#12@120 c/c)	1	12	824	824	2.60	2141.10	0.887814	1900.90
Distribution(12-#8)	1	8	12	12	98.70	1184.40	0.394584	467.35
2nd Main Road								
LHS								
Main Bars (#12@120 c/c)	1	12	818	818	2.60	2125.93	0.887814	1887.43
Distribution(12-#8)	1	8	12	12	98.00	1176.00	0.394584	464.03
RHS								
Main Bars (#12@120 c/c)	1	12	369	369	2.60	958.10	0.887814	850.61
Distribution(11-#8)	1	8	11	11	44.10	485.10	0.394584	191.41
Culvert								
3rd Main								
side wall								
Main Bars outer face (#16@150 c/c)	2	16	56	113	2.90	326.73	1.578336	515.70
Main Bars inner face (#16@150 c/c)	2	16	56	113	2.50	281.67	1.578336	444.56
Distribution								
side walls(9#10)	4	10	9	36	0.80	28.80	0.616538	17.76
bottom slab(9-#10)	2	10	9	18	1.30	23.40	0.616538	14.43
3rd main								
side wall								
Main Bars outer face (#16@150 c/c)	2	16	56	111	2.90	322.87	1.578336	509.59
Main Bars inner face (#16@150 c/c)	2	16	56	111	2.50	278.33	1.578336	439.30
Distribution								
side walls(9#10)	4	10	9	36	0.80	28.80	0.616538	17.76
bottom slab(9-#10)	2	10	9	18	1.30	23.40	0.616538	14.43
4th Main								
side wall								
Main Bars outer face (#16@160 c/c)	2	16	48	96	2.90	277.68	1.578336	438.26
Main Bars inner face (#16@160 c/c)	2	16	48	96	2.50	239.38	1.578336	377.81
Distribution								
side walls(9#10)	4	10	9	36	0.80	28.80	0.616538	17.76
bottom slab(9-#10)	2	10	9	18	1.30	23.40	0.616538	14.43
						TOTAL QTY IN KG'S		**27114.98**
						TOTAL QTY IN TONNE		**27.11**

CLIENT BBMP

Contractor

CIVIL Pro Sig Date PMC BANGALORE

Assistant Engineer

Asst. Executive Engineer (S. Divison) Bangalore

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
Item no.05		Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)							
		3rd main(RHS) Right side to 2nd							
0	14.4		Sqm	1	14.40	0.90		12.96	
14.4	18.7		Sqm	1	4.30	0.90		3.87	
18.7	33.7		Sqm	1	15.00	0.90		13.50	
33.7	48.7		Sqm	1	15.00	0.90		13.50	
		3rd main (LHS)							
0	15		Sqm	1	15.00	0.90		13.50	
15	30		Sqm	1	15.00	0.90		13.50	
30	45		Sqm	1	15.00	0.75		11.25	
45	60		Sqm	1	15.00	0.75		11.25	
		3rd main (LHS) Left side to 2nd cross							
0	7.3		Sqm	1	7.30	0.90		6.57	
7.3	10.3		Sqm	1	3.00	0.90		2.70	
10.3	17.3		Sqm	1	7.00	0.90		6.30	
17.3	20.3		Sqm	1	3.00	0.90		2.70	
20.3	35		Sqm	1	16.00	0.90		14.40	
		3rd main RHS							
0	15		Sqm	1	15.00	0.75		11.18	
15	30		Sqm	1	15.00	0.75		11.18	
30	45		Sqm	1	15.00	0.90		13.50	
		4th main rhs							
0	15		Sqm	1	15.00	0.90		13.50	
21	23.8		Sqm	1	2.80	0.75		2.10	
23.8	32.5		Sqm	1	8.70	0.90		7.83	
32.5	35.8		Sqm	1	3.30	0.75		2.48	
35.8	50		Sqm	1	14.20	0.75		10.65	
50	57.5		Sqm	1	7.50	0.75		5.63	
57.5	71.6		Sqm	1	14.10	0.75		10.58	
71.6	85		Sqm	1	13.40	0.75		10.05	
		4th main lhs							
0	6.3		Sqm	1	6.30	0.75		4.73	
6.3	9.2		Sqm	1	2.90	0.75		2.18	
9.2	15		Sqm	1	5.80	0.75		4.35	
15	24.5		Sqm	1	9.50	0.90		8.55	
24.5	27.5		Sqm	1	3.00	0.90		2.70	
		5th main lhs							
0	8		Sqm	1	8.00	0.90		7.20	
17.2	35	8-17.2 no drain	Sqm	1	17.80	0.90		16.02	
35	50		Sqm	1	15.00	0.90		13.50	

22/01/2020

Contactor

CIVIL CONTRACTOR Sig Date PMC BANGALORE

Assistant Engineer

Assistant Executive Engineer (BBMP) Banashankari Sub. Divison Bangalore

CLIENT BBMP

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
50	65		Sqm	1	15.00	0.90		13.50	
65	72		Sqm	1	7.00	0.75		5.25	
		5th main rhs							
0	18		Sqm	1	18.00	0.90		16.20	
18	27.7		Sqm	1	9.70	0.90		8.73	
27.7	37		Sqm	1	9.30	0.90		8.37	
37	46.2		Sqm	1	9.20	0.90		8.28	
46.2	48		Sqm	1	1.80	0.90		1.62	
		2nd cross rhs							
0	15		Sqm	1	15.00	0.90		13.50	
15	26		Sqm	1	11.00	0.75		8.25	
33.7	50	26 to 33.7 no Drain	Sqm	1	16.30	0.75		12.23	
50	58.7		Sqm	1	8.70	0.90		7.83	
65.9	80	58.7 to 65.9 no Drain	Sqm	1	14.10	0.75		10.58	
80	92.6		Sqm	1	12.60	0.90		11.34	
92.6	101.5		Sqm	1	4.00	0.90		3.60	
		2nd cross lhs							
8	15	0-8 no drain	Sqm	1	7.00	0.75		5.25	
15	26		Sqm	1	11.00	0.90		9.90	
40.3	50	26-40.3 no drain	Sqm	1	9.70	0.75		7.31	
50	59		Sqm	1	9.00	0.90		8.10	
68	80	59-68 no dsrain	Sqm	1	12.00	0.75		9.00	
80	93		Sqm	1	5.00	0.90		4.50	
		2nd Main Road							
		LHS							
0	15		Sqm	1	15.00	0.90		13.50	
15	30		Sqm	1	15.00	0.90		13.50	
30	45		Sqm	1	15.00	0.90		13.50	
45	56		Sqm	1	11.00	0.90		9.90	
56	65		Sqm	1	9.00	0.90		8.10	
65	75.6		Sqm	1	10.60	0.90		9.54	
75.6	78.7		Sqm	1	3.10	0.90		2.79	
78.7	98		Sqm	1	19.30	0.90		17.37	
		RHS							
0	15		Sqm	1	15.00	0.90		13.50	
15	33		Sqm	1	18.00	0.90		16.20	
		Pittenhalli Cross							
0	15		Sqm	1	15.00	0.75		11.25	
15	30		Sqm	1	15.00	0.75		11.25	
30	45		Sqm	1	15.00	0.75		11.25	
45	60		Sqm	1	15.00	0.75		11.25	
60	75		Sqm	1	15.00	0.75		11.25	
		Cross Road							
0	15		Sqm	1	15.00	0.90		13.50	
15	30		Sqm	1	15.00	0.90		13.50	
30	45		Sqm	1	15.00	0.90		13.50	

29/01/2020

CIVIL Dept. Date BANGALORE PMC

Contactor

Assistant Engineer

Asst. Executive Engineer
Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
45	60		Sqm	1	15.00	0.90		13.50	
		1st Main Roads							
		LHS							
0	15		Sqm	1	15.00	0.90		13.50	
15	30		Sqm	1	15.00	0.90		13.50	
30	45		Sqm	1	15.00	0.90		13.50	
45	60		Sqm	1	15.00	0.90		13.50	
60	75		Sqm	1	15.00	0.90		13.50	
75	90		Sqm	1	15.00	0.90		13.50	
90	105		Sqm	1	15.00	0.90		13.50	
105	120		Sqm	1	15.00	0.90		13.50	
120	135		Sqm	1	15.00	0.90		13.50	
135	144		Sqm	1	9.00	0.90		8.10	
		RHS							
0	15		Sqm	1	15.00	0.90		13.50	
15	30		Sqm	1	15.00	0.90		13.50	
30	45		Sqm	1	15.00	0.90		13.50	
45	60		Sqm	1	15.00	0.90		13.50	
60	75		Sqm	1	15.00	0.90		13.50	
75	90		Sqm	1	15.00	0.90		13.50	
90	105		Sqm	1	15.00	0.90		13.50	
							TOTAL	909.46	
							Quantity Limited To	909.45	

CIVIL Pro Sig Date BANGALORE

Contactor PMC Assistant Engineer Asst Executive Engineer Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
Item no.06		Providing and fixing RCC precast cover slab of 250mm thick made out of CC 1:2:4 and jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)							
		Culvert							
		3rd Main	Sqm	1	8.30	1.20		9.96	
		3rd main	Sqm	1	8.20	1.20		9.84	
		4th Main	Sqm	1	7.50	1.20		9.00	
		Cover Slab							
		Cross Road	Sqm	1	6.00	1.20		7.20	
							TOTAL	36.00	

Contactor

CIVIL Pro BANGALORE Sig. Date

PMC

Assistant Engineer

Asst. Executive Engineer Division

Assistant Executive Engineer